CLAIMS

We claim:

Claim 1 (currently amended): An integrated contact, comprising:

an arc proof component;

a conductive component;

a magnetic field generating component, having a top and a bottom and a through hole extending from the top to the bottom; and

a container having a center and a top, wherein the arc proof component, the conductive component and the magnetic field generating component are set in the container, the magnetic field generating component and component are mutually combined and set inside of the container, and the arc proof component is set on top of the combination of the magnetic field generating component and the conductive component; the combination of the magnetic field generating component and the conductive components are configured to produces an axial magnetic field.

Claim 2 (currently amended): The integrated contact, as in claim 1, wherein the magnetic field generating component has ~~a~~an through oblique section from the top to the bottom at a side facing the center of container, with a magnetic path of the magnetic field generating component opened by a break from top to bottom, and the conductive component having a supporting oblique section coinciding with the corresponding oblique section of the magnetic field generating component.

Claim 3 (canceled)

Claim 4 (currently amended): The integrated contact, as in claim 2, wherein the oblique section of the magnetic field generating component corresponds with the supporting oblique section of the conductive component and the mutual combination is a non-mean equal division structure.

Claim 5-6 (canceled)

Claim 7 (currently amended): The integrated contact, as in claim 2, wherein the oblique section of magnetic field generating component corresponds with the supporting oblique section of he conductive component and the mutual combination forms a symmetric mean equal division structure.

Claim 8 (currently amended): The integrated contact, as in claim 1, wherein the magnetic field generating component is a multi-layer cylinder combined
structure with different diameters having at least one layer of magnetic material with insulation between every layer, wherein at least one layer is a soft magnetic material layer and the conductive component is a multi-layer cylinder combined structure with different diameters wherein a cylinder body is located at a center of the conductive component and the cylinder body is configured for insertion into a hole in the magnetic field generating component.

Claim 9-11 (canceled)

Claim 12 (currently amended): The integrated contact, as in claim 5, wherein the multi-layer cylinder of the magnetic field generating component and the multi-layer cylinder of the conductive component have the same number of layers.

Claim 13-14 (canceled)

Claim 15 (currently amended): The integrated contact, as in claim 7, wherein the number of layers of the magnetic field generating component is equal to the number of layers of the conductive component.

Claim 16-18 (canceled)

Claim 19 (currently amended): The integrated contact, as in claim 3, wherein the magnetic field generating component is a layer shaped body having at least one layer, and the conductive component is a layer shaped body having at least one layer and the magnetic field generating component is set on the conductive component or sandwiched between the conductive component or piled layer by layer after mutually combining with the conductive component, the combined shape is coordinated with an inner wall shape of the container and from the bottom to the top of the container, each layer area of the conductive component is gradually decreased, and a corresponding layer area of the magnetic field generating component is gradually increased.

Claim 20-22 (canceled)

Claim 23 (currently amended): The integrated contact, as in claim 2, wherein the container is a cup-like body made from rustless steel, whose melting point is above eleven hundred (1100) degrees Centigrade.

Claim 24 (currently amended): The integrated contact, as in claim 1, wherein the arc proof component is a mixture of copper powder and chromium powder and the ratio of the copper powder and the chromium powder is varied from 10:90 to 90:10.

Claim 25-28 (canceled)

Claim 29 (currently amended): The integrated contact, as in claim 1, wherein the arc proof component is made from a sheet or a block of copper chromium alloy.

Claim 30-31 (canceled)

Claim 32 (currently amended): The integrated contact, as in claim 1, wherein the conductive component is made of copper and a material state of the conductive component is selected from the group consisting of powder, sheet, board, bar, tube and block.

Claim 33-35 (canceled)

Claim 36 (currently amended): The integrated contact, as in claim 35, wherein the soft magnetic material is electrical iron and the state of the soft magnetic material is selected form the group consisting of powder, sheet, board, bar, tube, and block.

Claim 37 (canceled)